

SUPPLEMENTARY DATA

Spatial and temporal variability of contaminants of emerging concern in a drinking water source

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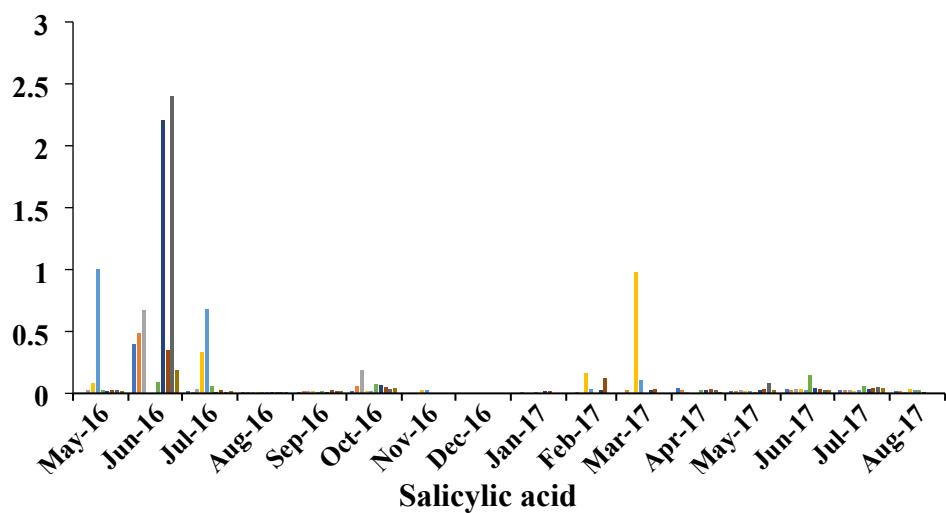
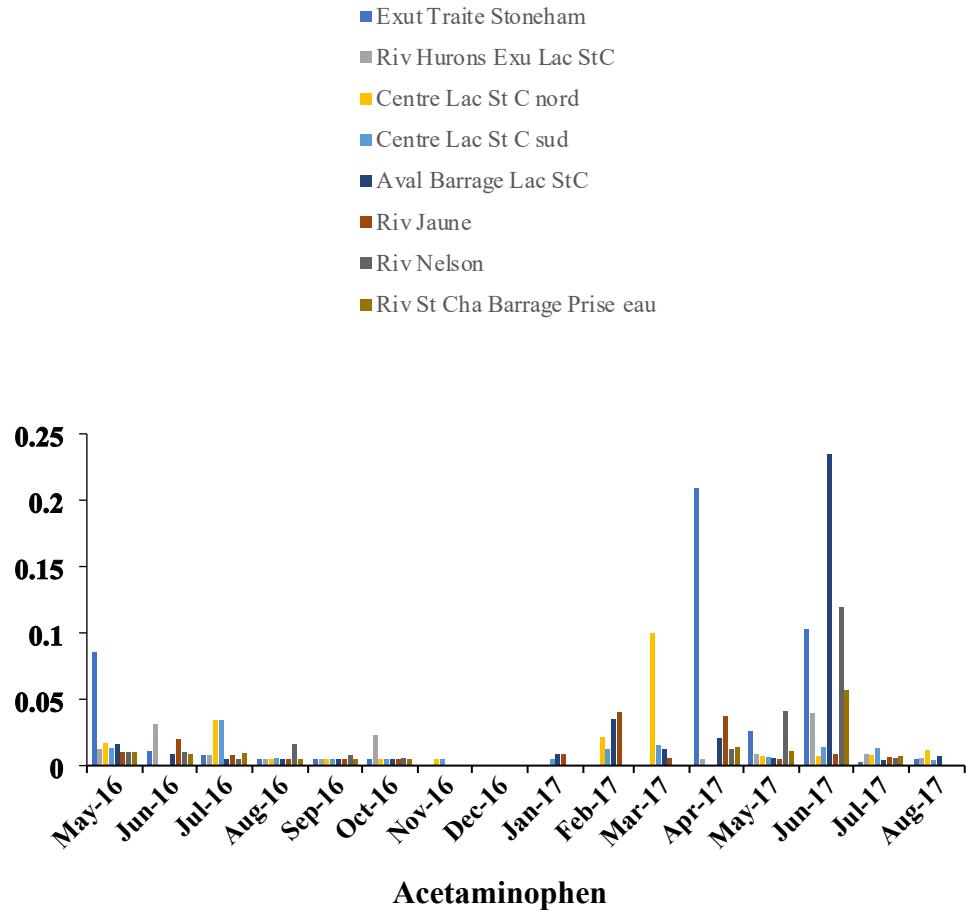
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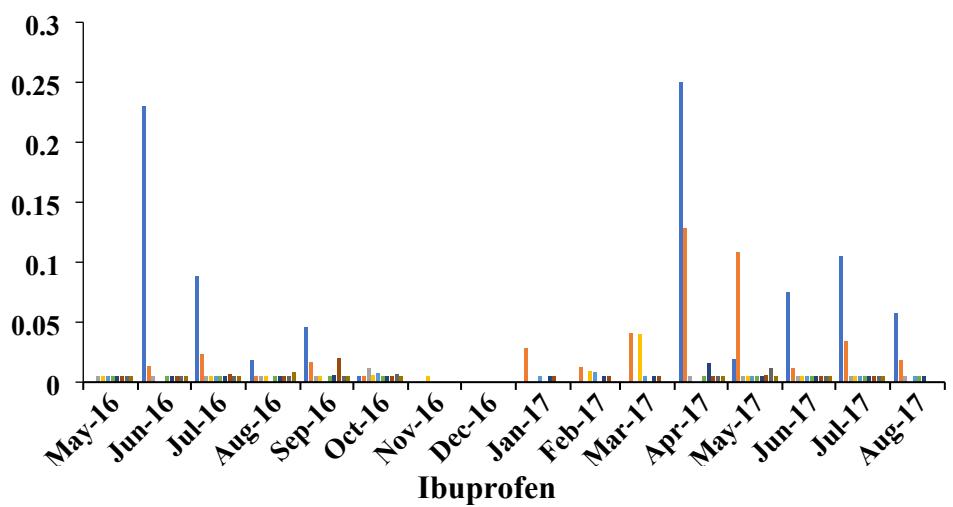
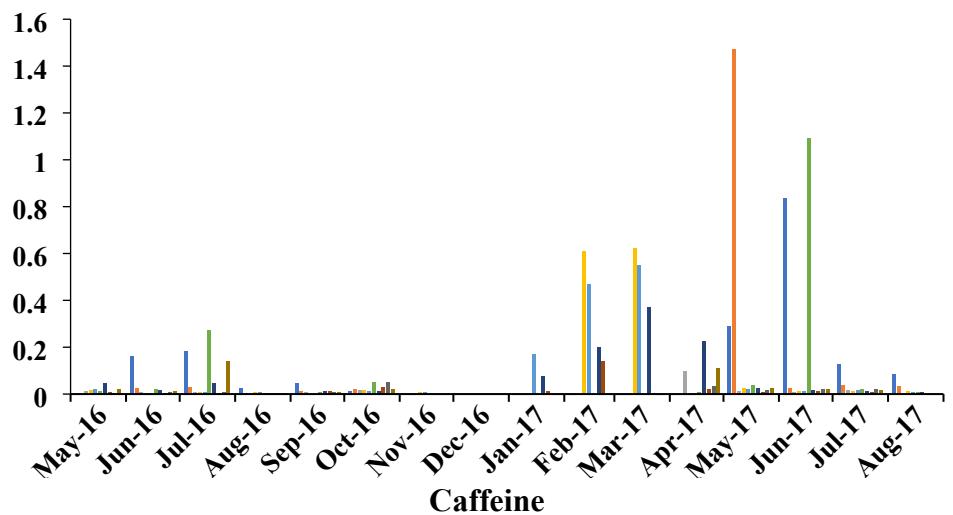
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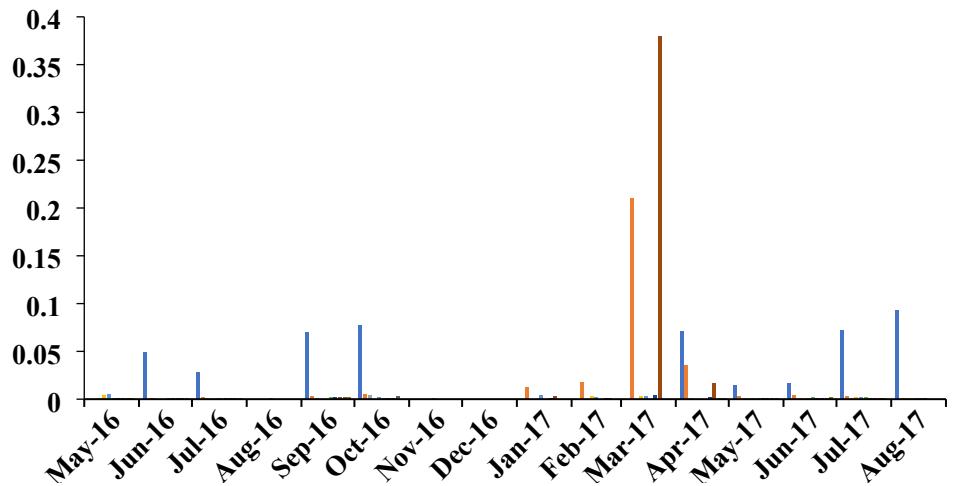
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Table S1: Physicochemical properties of selected contaminants of emerging interest

Contaminant	Classification	LogP	pKa	solubility (mg/L)
Acetaminophen	Analgesics and antipyretics	0.91	-4.4	4150
Caffeine	Central nervous system stimulant	-0.07	10.4	21600
Carbamazepine	Anti-convulsant	2.45	15.96	17.7
Drospirenone	Hormone	3.37	-5	1.81
Ibuprofen	Nonsteroidal anti-inflammatory	3.97	5.3	21
Salicylic acid	Keratolytic agents, Metabolite of acetylsalicylic acid (analgesic), a natural plant substance	2.26	2.97	2240
Sulfamethoxazole	Antibiotic	0.89	6.16	610







**Figure S1: Temporal variations of the selected contaminants of emerging concern
Sulfamethoxazole**